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Waste Site Reclassification Form

Date Submitted: 6/16/1998	Operable Unit(s): 200-MW-1	Control Number: 98-032
Originator: B. H. Ford	Waste Site ID: UPR-200-E-15	
Phone: 372-9176	Type of Reclassification Action: Rejected <input checked="" type="radio"/> Closed-Out <input type="radio"/> No Action <input type="radio"/>	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is an unplanned release that contaminated the soil and blacktop areas between the 291-A Turbine House and the 216-A-4 Crib. Since the contaminated soil was removed and taken to a trench (WIDS Site 200-E-102) due south of 216-A-4, this site is any remaining contamination of the blacktop area. However, this site is within a larger "Underground Radioactive Material" Area, and is more efficiently dispositioned as part of the larger area.

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Basis for reclassification:

While there is no documentation on the effectiveness of the cleanup activities, this site is within a larger "Underground Radioactive Material" Area. Thus, this site will be consolidated with 200-E-103, Contamination Areas - South Side of PUREX. Site 200-E-103 is an area where a number of releases occurred. Any residual radioactive material that may be remaining will be dispositioned with 200-E-103.

<u>Bryan L. Foley</u> DOE Project Manager	<u>[Signature]</u> Signature	<u>1/26/00</u> Date
<u>Douglas R. Sherwood</u> EPA Project Manager	<u>[Signature]</u> Signature	<u>1/25/00</u> Date

Waste Information Data System

General Summary Report

11/23/1999

Site Code:	UPR-200-E-15	Site Classification:	Accepted	Page	1
Site Names:	UPR-200-E-15, Overflow at 216-A-4, UN-200-E-15, UPR-200-E-13				
Site Type:	Unplanned Release	Start Date:	1958		
Status:	Inactive	End Date:			
Operable Unit:	200-MW-1	Coordinates:			
Hanford Area:	200E	(E)	575212.5		
		(N)	135549.562		
		Washington State Plane			
Site Description:	<p>The site is an unplanned release that contaminated the soil and blacktop areas between the 291-A Turbine House and the 216-A-4 Crib. Since the contaminated soil was removed and taken to a trench (WIDS Site 200-E-102) due south of 216-A-4, this site is any remaining contamination of the blacktop area.</p> <p>Because this site is within a larger "Underground Radioactive Material" area, it will be consolidated as part of site 200-E-103.</p> <p>The site has been consolidated with 200-E-103</p>				
Location Description:	The release site is located within the PUREX exclusion area, south of the 202-A Building between 291-A Turbine House and 216-A-4. The exact location of the contaminated blacktop is unknown.				
Site Comment:	Information regarding this release is duplicated in UPR-216-E-13. Both UPR-200-E-13 and UPR-200-E-15 are described as plugging of the 216-A-4 crib that resulted in a material backup and surface contamination. They are documented as having different dates (12/1958 vs. 1/21/1959). By examining the source references used in PNL-6456, the 1/21/1959 date provided for UPR-200-E-15 is the issue date for the December 1958 monthly report and not the date of the occurrence described within it. The monthly report (HW-58711 DEL) describes only one plugging event at the 216-A-4 crib. Based on this information, we believe the sites to be the same site.				
Cleanup Activities:	The contaminated soil was moved to a trench along the south boundary of 216-A-4 crib (Hanford Site coordinates: W-48127 to W-48207 along N-39447)				
Release Description:	<p>The monthly report (HW-58711) for December 1958 states the 216-A-4 Crib became plugged during the jetting of the 216-A-2 Catch Tank, causing a backflow of contaminated liquid into the 291-A Turbine House floor drains. The floor of 291-A was contaminated to 20 rad/hour at 25 centimeters (10 inches). The blacktop outside the building was contaminated to 8 rad/hour.</p> <p>HW-60607 states that the soil was contaminated at surface and that the soil was removed to a trench along the south boundary of 216-A-4.</p>				
References:	<ol style="list-style-type: none">1. K. F. Bakridge, 7/15/59, Unconfined Underground Radioactive Waste and Contamination in the 200 Areas - 1959, HW-60607.2. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.3. P. M. Pak, 06/93, Redesignation of the 200-BP-5 and 200-PO-1 Groundwater Operable Units and Reassignment of Associated Groundwater Investigations, Waste Management Units, and Unplanned Releases, C-93-08.4. DeFord, D.H. and R. W. Carpenter, 5/95, PUREX Plant Aggregate Area Management Study Technical Baseline Report, BHI-00178.5. Operation Managers, 01/21/59, Chemical Processing Department Monthly Report for December, 1958, HW-58711-DEL.				

Regulatory Information:

Programmatic Responsibility

DOE Program:	EM-40	Confirmed By Program:	Yes
DOE Division:	RPD - Restoration Projects Division		
Responsible Contractor/Subcontractor:	BHI - Bechtel Hanford, Inc.		

Site Evaluation

Solid Waste Management Unit: No
TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:

200-E-103, Contamination Areas - South Side of PUREX

Reason: Within Boundary Of Larger Site

Permitting

RCRA Part A Permit:	No	216/218 Permit:	No
RCRA Part B Permit:	No	NPDES:	No
Closure Plan:	No	State Waste Discharge Permit:	No
TSD Number:		Septic Permit:	No
Air Operating Permit:	No	Inert Landfill:	No

Air Operating Permit
Number(s):

Tri-Party Agreement

Lead Regulatory Agency: EPA
Unit Category: CERCLA Past Practice (CPP)
TPA Appendix: C

Remediation and Closure

Decision Document:
Decision Document Status:
Remediation Design Group:
Closure Document:
Closure Type:
Post Closure Requirements:

Residual Waste:

Waste Information:

Type: Process Effluent
Category: Radioactive
Physical State: Liquid

Description: The crib received contaminated liquid from the 216-A-2 Catch Tank. When the crib backed up, the floor of the 291-A Turbine House was contaminated to 20 rads/hour at 25.4 centimeters (10 inches). The liquid then flowed out of the turbine house and contaminated surrounding blacktop and soil. Beta/gamma readings of the soil up to 8 rad/hour were measured immediately following the incident.

References: 1. R. D. Stenner, K. H. Cramer, D. A. Lamer, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.
2. Operation Managers, 01/21/59, Chemical Processing Department Monthly Report for December, 1958, HW-58711-DEL.